

AMENDMENTS AND CURRENT STATUS OF THE CLAIMS

Claims 1 - 18 (cancelled).

19. (currently amended) An implement for clearing land by comminuting and grinding brush and trees at an operational site in the field to clear the land by leaving the comminuted brush and trees at or near the operational site, comprising:

a primary engine mounted upon the vehicle for powering operation of the vehicle;

at least one boom mounted upon the vehicle; said boom being constructed to provide articulated motion at a distal end thereof about a first pivot axis; said boom being powered by said primary engine;

an actuator mount connected to the distal end of the at least one boom which may articulate about said first pivot axis;

a rotary hydraulic actuator connected to said actuator mount which pivots about a second pivot axis which is generally transverse to said first pivot axis;

an operational head mounted to said rotary hydraulic actuator for pivotal movement about the both said first and second pivot axes ~~near the distal end of said at least one boom;~~

said operational head having ~~[[a]]~~ at least one comminuting device mounted thereon for movement to grind or comminute trees and brush;

a comminuting motor mounted upon said operational head to move said at least one comminuting device;

a secondary engine mounted upon the vehicle for powering the comminuting motor to provide substantially dedicated power to the at least one comminuting device.

20. (previously presented) An implement according to claim 19 wherein the comminuting motor is a hydraulic motor.

21. (previously presented) An implement according to claim 19 wherein the comminuting motor is a hydraulic motor, and further comprising a hydraulic fluid cooling system to cool hydraulic fluid used to power said hydraulic motor serving as said comminuting motor.

22. (currently amended) An implement according to claim 19 wherein the vehicle includes a turret that pivots ~~rotates~~ and the at least one boom is mounted upon the turret for pivotal movement ~~rotation~~ therewith.

23. (currently amended) An implement according to claim 19 wherein:
the vehicle includes a turret that pivots ~~rotates~~;
the at least one boom is mounted upon the turret for pivotal movement ~~rotation~~ therewith;
the primary and secondary engines are mounted upon the turret.

24. (currently amended) An implement for clearing land by comminuting and grinding brush and trees at an operational site in the field to clear the land by leaving the comminuted brush and trees at the operational site, comprising:

- a vehicle adapted for moving over the land;
- a primary engine mounted upon the vehicle for operation of the vehicle;
- a turret mounted upon the vehicle for pivotal movement thereon;
- at least one boom mounted upon the turret for movement therewith; said boom being powered by said primary engine;

- an articulation mechanism mounted near the distal end of the boom to provide adjustable orientation about two generally transverse pivot axes;

- an operational head mounted upon the articulation mechanism for adjustable orientation therewith;

- said operational head having [[a]] at least one comminuting device mounted thereon for movement to grind or comminute trees and brush;

- a comminuting hydraulic motor mounted upon said operational head to move said comminuting device;

- a secondary engine mounted upon the vehicle for powering the comminuting motor to provide substantially dedicated power to the comminuting device.

25. (previously presented) An implement according to claim 24 and further comprising a hydraulic fluid cooler mounted to cool hydraulic fluid used to power the comminuting motor.

26. (new) An implement according to claim 24 wherein the comminuting motor is a hydraulic motor.

27. (new) An implement according to claim 24 wherein the comminuting motor is a hydraulic motor, and further comprising a hydraulic fluid cooling system to cool hydraulic fluid used to power said hydraulic motor serving as said comminuting motor.

28. (new) An implement according to claim 24 wherein the vehicle includes a turret that rotates and the at least one boom is mounted upon the turret for rotation therewith.

29. (new) An implement according to claim 24 wherein:
the vehicle includes a turret that pivots;
the at least one boom is mounted upon the turret for pivotal action ~~rotation~~
therewith;
the primary and secondary engines are mounted upon the turret.

30. (new) An implement according to claim 24 wherein the at least one comminuting device has a plurality of grinding elements thereon.

31. (new) An implement according to claim 24 wherein the at least one comminuting device has a plurality of grinding elements thereon which extend along both sides of a comminuting disk.

32. (new) An implement according to claim 24 and further comprising a jaw mounted for pivotal action at a back side of said operational head.

33. (new) An implement according to claim 24 and further comprising a jaw mounted for pivotal action at a back side of said operational head, said jaw having serrations thereon.

34. (new) An implement according to claim 24 and further comprising a jaw mounted for pivotal action at a back side of said operational head, said jaw having serrations thereon along both sides.

35. (new) An implement according to claim 24 and further comprising a plurality of comminuting devices mounted upon an upper face, lower face and periphery of at least one rotating member.

36. (new) An implement according to claim 19 wherein the at least one comminuting device has a plurality of grinding elements thereon.

37. (new) An implement according to claim 19 wherein the at least one comminuting device has a plurality of grinding elements thereon which extend along both sides of a comminuting disk.

38. (new) An implement according to claim 19 and further comprising a jaw mounted for pivotal action at a back side of said operational head.

39. (new) An implement according to claim 19 and further comprising a jaw mounted for pivotal action at a back side of said operational head, said jaw having serrations thereon.

40. (new) An implement according to claim 19 and further comprising a jaw mounted for pivotal action at a back side of said operational head, said jaw having serrations thereon along both sides.

41. (new) An implement according to claim 19 and further comprising a plurality of comminuting devices mounted upon an upper face, lower face and periphery of at least one rotating member.